

In re Patent Application of:  
PORTO ET AL.  
Serial No. 10/701,150  
Filing Date: NOVEMBER 4, 2003

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REMARKS

Applicants would like to thank the Examiner for the thorough examination of the present application. Applicants would also like to thank the Examiner for allowing Claims 7-23, and for indicating that Claims 24-30 would be allowed if rewritten to overcome the rejection under 35 U.S.C. §101.

Independent Claim 24 has been amended to recite that the method for running a quantum algorithm is "for searching a database or for a decision making process". Support for the claim amendment may be found in paragraph 59, for example. The subject matter of independent Claim 24 is thus directed to specific applications of "searching a database" or for a "decision making process" in which an item being searched in the database is provided or a result of the decision making process is provided. The Applicants submit that Claim 24 overcomes the rejection under 35 U.S.C. §101.

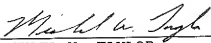
The Examiner also noted that FIGS. 1-7b are to be labeled as prior art. A copy of the replacement drawing sheets filed November 4, 2003 labeling the prior art figures is enclosed herewith.

In view of the amendments to the claims and the remarks provided herein, it is submitted that Claims 24-30 are patentable. Accordingly, a Notice of Allowance is requested in due course. Should any minor informalities need to be addressed, the Examiner is encouraged to contact the undersigned attorney at the telephone number listed below.

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Respectfully submitted,

  
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